IN THE SPECIFICATION

Please replace the paragraph beginning at page 9, line 22 with the following rewritten paragraph:

By way of introduction, Fig. 2 is a logic flow diagram that illustrates a method for computing a similarity metric ~~(sim(x,c_i)~~ sim(x,c_i) between an image x and a semantic category c_i. The method is assumed to be executed by the data processor 101 under control of a program or programs stored in the memory 103. The image x is assumed to be an image stored in the database 104. Step A takes as inputs a complete feature set (CFS) for the image x, and a comparison rule for the category c_i, that is, a feature combination that describes category c_i. At Step A the method selects from the CFS of image x only those features required by the comparison rule for category c_i. At Step B the method computes the similarity metric sim(x, c_i) in accordance with the illustrated mathematical expression.

Please replace the paragraph beginning at page 16, line 23 with the following rewritten paragraph:

$$\Delta_{S_2,IC}(i,j)=\begin{cases}\Delta' = \text{number of times images } i \text{ and } j \text{ occurred in the same category}, & i,j \in \text{Set 2}\\ \Delta'' = \text{number of times image } i \text{ occurred in the category } j, & i \in \text{Set 2 and } j \in IC\\ \Delta''' = d(i,j) & i,j \in IC\end{cases}$$